

FORENSIC SCIENTIST IV - (DNA)

Selection Process I.D.#

6418/DNA/0620

EXAMINATION PLAN

I. **Written Examination**

Multiple choice 40 items

Weight = 40%

Pass = 70% or better

Time Limit = 1 hour

<u>CONTENT AREA</u>	<u># OF ITEMS</u>	<u>PERCENTAGE</u>
Principles of DNA*	40	100

**This examination includes general laboratory procedures, serology principles and the principles of DNA. This examination covers PCR analysis methodology.*

Reference Sources:

Butler, John, Advanced Topics in Forensic DNA Typing: Methodology, Elsevier Inc., 2012.

Butler, John, Advanced Topics in Forensic DNA Typing: Interpretation, Elsevier Inc., 2015.

Code of Federal Regulations, Title 29, Section 1910.1030 Bloodborne Pathogens, December 1991.

Federal Bureau of Investigation, National DNA Index System (NDIS) Operational Procedures Manual, Version 8 (Effective May 1, 2019).

Federal Bureau of Investigation, Quality Assurance Standards for Forensic DNA Testing Laboratories, July 2020 (Effective July 1, 2020)

Gaensslen, R. E., Sourcebook in Forensic Serology, Immunology, and Biochemistry, National Institute of Justice, 1983.

Inman, Keith and Rudin, Norah, An Introduction to DNA Forensic Analysis, CRC Press, 2002.

National Research Council, The Evaluation of Forensic DNA Evidence, 1996.

Saferstein, Richard, Forensic Science Handbook, Regents/Prentice Hall, 1982.

Saferstein, Richard, Forensic Science Handbook, Volume II, Prentice Hall, 1988.

This examination consists of 40 multiple choice questions, all are equally weighted.

II. QUALIFICATIONS APPRAISAL BOARD (QAB)

Weight = 60%

Pass = 70% or better

The QAB is an oral board exam. Unlike a job interview, the QAB is very structured with a select number of board members taking turns asking a set of structured questions. The same questions are asked of each candidate participating in the QAB for the open position. Clarifying questions are not permitted by the candidate or the panel members.